Recombinant Human MLH3 293 Cell Lysate

Cat. No. MLH3-4294HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for mutL homolog 3 (E. coli) (MLH3), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	MLH3 mutL homolog 3 (E. coli) [Homo sapiens]
Official Symbol	MLH3
Synonyms	MLH3; mutL homolog 3 (E. coli); mutL (E. coli) homolog 3; DNA mismatch repair protein Mlh3; mutL protein homolog 3; HNPCC7; MGC138372;
Gene ID	27030
mRNA Refseq	NM_001040108
Protein Refseq	NP_001035197
MIM	604395
UniProt ID	Q9UHC1
Chromosome Location	14q24.3
Pathway	Meiosis, organism-specific biosystem; Meiotic Recombination, organism-specific biosystem; Mismatch repair, organism-specific biosystem; Mismatch repair, conserved biosystem;
Function	ATP binding; ATPase activity; centromeric DNA binding; chromatin binding;

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	mismatched DNA binding; mismatched DNA binding; protein binding; satellite DNA binding;

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